

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/868,732

DATE: 01/14/2002

TIME: 12:20:25

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF3\01142002\I868732.raw

P.S

3 <110> APPLICANT: Andersson, Leif
4 Georges, Michel
5 Spincemaille, Geert
6 Nezer, Carine
8 <120> TITLE OF INVENTION: SELECTING ANIMALS FOR PARENTALLY IMPRINTED TRAITS
10 <130> FILE REFERENCE: 2183-4951US
12 <140> CURRENT APPLICATION NUMBER: US 09/868,732
13 <141> CURRENT FILING DATE: 2001-06-15
15 <150> PRIOR APPLICATION NUMBER: PCT/EP99/10209
16 <151> PRIOR FILING DATE: 1999-12-16
18 <150> PRIOR APPLICATION NUMBER: EP98204291.3
19 <151> PRIOR FILING DATE: 1998-12-16
21 <160> NUMBER OF SEQ ID NOS: 123
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: DNA
28 <213> ORGANISM: Pig
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34 <210> SEQ ID NO: 2
35 <211> LENGTH: 20
36 <212> TYPE: DNA
37 <213> ORGANISM: Pig
39 <400> SEQUENCE: 2
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43 <210> SEQ ID NO: 3
44 <211> LENGTH: 26
45 <212> TYPE: DNA
46 <213> ORGANISM: Pig
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53 <211> LENGTH: 19
54 <212> TYPE: DNA
55 <213> ORGANISM: Pig
57 <400> SEQUENCE: 4
58 ctacaagctg ggctcaggg 19
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 25
63 <212> TYPE: DNA
64 <213> ORGANISM: Pig
66 <400> SEQUENCE: 5
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70 <210> SEQ ID NO: 6
71 <211> LENGTH: 25
72 <212> TYPE: DNA

ENTERED

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75 <400> SEQUENCE: 6
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81 <212> TYPE: DNA
82 <213> ORGANISM: Pig
84 <400> SEQUENCE: 7
85 cgccccagct gccccccag 19
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 19
90 <212> TYPE: DNA
91 <213> ORGANISM: Pig
93 <400> SEQUENCE: 8
94 cgccccagct gccccccaa 19
97 <210> SEQ ID NO: 9
98 <211> LENGTH: 20
99 <212> TYPE: DNA
100 <213> ORGANISM: Pig
102 <400> SEQUENCE: 9
103 cctgagctgc agcaggccag 20
106 <210> SEQ ID NO: 10
107 <211> LENGTH: 500
108 <212> TYPE: DNA
109 <213> ORGANISM: Pig
111 <400> SEQUENCE: 10
112 ggggtgggcag cttcctccca gaccgcagga ggcccaagtt ccctggccct gccacccag 60
114 ggccagctga agcaggtcag agacacccgc tcctgtccct cctgtcacct aacccaacag 120
116 gccggggccc agggacacag gccacatggc atctcccccc atgcccctgc cccaaggcgc 180
118 ccagcaggtg aggctggagc agagtctggg tcctgcgggc cagaccgagg gcaggacagc 240
120 tgggcatctg tctcacagt ccccgcgctt tgctcggagg cggcagagcc tcatccaaga 300
122 cgcccgcgaag gaacgggaga aggcggaggc cgcggctgcc gcgtccgagc ccggggaggc 360
124 cctggaagtg ggggcccttg ccgagcggga cgggaaggcc ctgctgaacc tgctcttcac 420
126 cctgagggcc accaagcccc cctcgctgtt ccggtccctg aaaaaattct aggtgagggg 480
128 gcggggccagg gctccccggg
131 <210> SEQ ID NO: 11
132 <211> LENGTH: 943
133 <212> TYPE: DNA
134 <213> ORGANISM: Pig
136 <400> SEQUENCE: 11
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139 cactctggcc ttcacacctg ccgtcttctg ggaagtcctc tggttcccaa ggaaagtctc 120
141 tgagctggac aagtgccacc acctggtcac caagttcgat cctgagctgg acctggacca 180
143 cccggtgagc cggtgccctc cctccccggc cgccatgtct cccatcccca ggggtgtccc 240
145 cacactcagg gccgggactg ggcgtaacc ccgggttggg acggatgttg gcctgctgtg 300
147 tggtcctctg cggaacagag aggcctggct gggtgccacc cccaggggcc ccgccgatga 360
149 cacggggcgc gtctgggctg ggcgggcagg gcggccaggc agggcagcct ccgatggcgt 420
151 ccccggtgtg caccagggtt tctcggacca gttgtaccgc cagcgcagga agctgattgc 480
153 ccagatcgcc ttccagtaca ggcagtaagt ccctccaggg cctcagcctg gggggccaga 540

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155 cctcagcctg ggcctcacgc cagacctggg ggtggaggga agggagggtg tctttgtcac 600
157 caacgccacc accttcaactg tcaccatggt caccgactct gggcccccaa atcacagctg 660
159 aggaaactgg ggcacagagt ggtaagcat cttgctgaag ccacacagct ggcgagcat 720
161 ttggccccgg cccctcctgc ggctcccaca cgtgctccct gaggggcccg ggactgacag 780
163 ctgtcccctc ctcagagggtg accctattcc ccgcgtggag tacacagccg aggagattgc 840
165 cacctgggtga ggcctgtga cagcggtggtg gaggggcccg agtgggggaa gggacaggaa 900
167 gacctcagaa ttcccgcgtg gaacgtggtg gcctctatca tga 943
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171 <211> LENGTH: 1500
172 <212> TYPE: DNA
173 <213> ORGANISM: Pig
175 <220> FEATURE:
176 <221> NAME/KEY: variation
177 <222> LOCATION: (1081)..(1081)
178 <223> OTHER INFORMATION: Polymorphism A:T
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182 <221> NAME/KEY: variation
183 <222> LOCATION: (1210)..(1210)
184 <223> OTHER INFORMATION: Polymorphism CAAGGCCAGGT:-
187 <220> FEATURE:
188 <221> NAME/KEY: variation
189 <222> LOCATION: (1186)..(1186)
190 <223> OTHER INFORMATION: Polymorphism A:G
193 <220> FEATURE:
194 <221> NAME/KEY: variation
195 <222> LOCATION: (1149)..(1149)
196 <223> OTHER INFORMATION: Polymorphism -:C
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200 ggggagggga tgctcagacc cgctctggga agaagagagc ctcagaagaa atcccttccc 60
202 aagggtcacg cgggtggagcc caggggcccg ctagggggccg attcccacag ctogtgctgc 120
204 cacctgctgg cgctcccagg aactgcggag gcggtggggg ccctggatgg gtccggcagt 180
206 gggctcgcag gagaccctg gaggggctgc ggacacccca gctgccactc acaagggtgc 240
208 caagcggcgg tggcaatggg ctgagcctct cccccctcc tccctccgag gacattggcc 300
210 tcgcatccct gggggtctcg gacgaggaaa ttgagaagct gtccacggtg ggtttctccc 360
212 cctgcagggc cctgggttcc agccaggccc tcctgtccaa ggggtgtcgt cctcacgctg 420
214 tgaccgcccg ggagcctgga tcggttctgc ctgggtgggc ggtgcccggg ccacgggcag 480
216 caggggcagc ggtgcgggccc ccagccgtgt ctgagccccc ttgccgcctg tccccaccag 540
218 ctgtactggt tcacggtgga gtttgggctc tgcaaacaga acggcgaggt gaaggcctac 600
220 ggggctgggc tgctgtctc ctacggggag ctctgtgtga ggctcccc acgcgctggg 660
222 gcctgggtcc ccgggggagg tgaccctgc ggtgccttgt ggattccagc tctcgggagg 720
224 ctggagcgag gggctgccct cctgggggca ccaagaaagc tggctctgcg ccctctccac 780
226 acacctgtgc ctgggccctg gggggacccc tgctggggga tgtgggtgca cagccagggc 840
228 caccaggagg tcaggacacg gggctccctt ccctcgggtc cctgagaccc ctggcctccc 900
230 gccagcactc cctgtccgag gagcccgaga tccgggcctt cgaccccagc gcggcgccg 960
232 tgcagcccta ccaggaccag acctaccagc ccgtctactt cgtgtctgag agtttcaagt 1020
234 acgccaaagg caagctcagg tgggcccggg::cccggggccc ccaaactgga ggatccagcc 1080
236 tgcagccccg cctatgagcc catttcccag cagagggagc tgctgcggac cccaccgtca 1140
238 caacccccct cccacagctg gaaccccaga aagcctgcgg aggggggacc tgcagggctg 1200
240 tggccaggtc aaggccaggc cgaggccagg cttttagggg tgaagtctga ctttgtaaga 1260

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242 gggggtgcag ggctcttccc agcctcctcc cctccgagca gctgggggcg gggcgggggt 1320
244 gcgatgaagg cagagatgac gcagccaccc gttcaccctc aggaggcgcc tctgtccag 1380
246 ccaggctcct gttgtcacag gggaaactga ggccccaggt gtgtgtgtgg gggggtgatt 1440
248 ctcacacaca agcttaggga caggacata acggcctctc cagggcacac agtctggagg 1500
251 <210> SEQ ID NO: 13
252 <211> LENGTH: 3024
253 <212> TYPE: DNA
254 <213> ORGANISM: Pig
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (5)..(5)
259 <223> OTHER INFORMATION: Nonspecific nucleotide
262 <220> FEATURE:
263 <221> NAME/KEY: misc_feature
264 <222> LOCATION: (10)..(10)
265 <223> OTHER INFORMATION: Nonspecific nucleotide
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <222> LOCATION: (62)..(62)
271 <223> OTHER INFORMATION: Nonspecific nucleotide
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <222> LOCATION: (103)..(103)
277 <223> OTHER INFORMATION: Nonspecific nucleotide
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (110)..(110)
283 <223> OTHER INFORMATION: Nonspecific nucleotide
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <222> LOCATION: (168)..(168)
289 <223> OTHER INFORMATION: Nonspecific nucleotide
292 <220> FEATURE:
293 <221> NAME/KEY: variation
294 <222> LOCATION: (438)..(438)
295 <223> OTHER INFORMATION: polymorphism C:A
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299 <221> NAME/KEY: variation
300 <222> LOCATION: (443)..(443)
301 <223> OTHER INFORMATION: polymorphism A:C
304 <220> FEATURE:
305 <221> NAME/KEY: variation
306 <222> LOCATION: (455)..(455)
307 <223> OTHER INFORMATION: polymorphism G:A
310 <220> FEATURE:
311 <221> NAME/KEY: variation
312 <222> LOCATION: (503)..(503)
313 <223> OTHER INFORMATION: polymorphism G:A
316 <220> FEATURE:

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Input Set : A:\Sequence Listing.ST25.txt

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317 <221> NAME/KEY: variation
318 <222> LOCATION: (525)..(525)
319 <223> OTHER INFORMATION: polymorphism T:C
322 <220> FEATURE:
323 <221> NAME/KEY: variation
324 <222> LOCATION: (528)..(528)
325 <223> OTHER INFORMATION: polymorphism G:A
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329 <221> NAME/KEY: variation
330 <222> LOCATION: (571)..(571)
331 <223> OTHER INFORMATION: polymorphism A:G
334 <220> FEATURE:
335 <221> NAME/KEY: variation
336 <222> LOCATION: (636)..(636)
337 <223> OTHER INFORMATION: polymorphism G:T
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341 <221> NAME/KEY: variation
342 <222> LOCATION: (710)..(710)
343 <223> OTHER INFORMATION: polymorphism A:G
346 <220> FEATURE:
347 <221> NAME/KEY: variation
348 <222> LOCATION: (867)..(867)
349 <223> OTHER INFORMATION: polymorphism C:T
352 <220> FEATURE:
353 <221> NAME/KEY: variation
354 <222> LOCATION: (903)..(903)
355 <223> OTHER INFORMATION: polymorphism C:T
358 <220> FEATURE:
359 <221> NAME/KEY: variation
360 <222> LOCATION: (1148)..(1148)
361 <223> OTHER INFORMATION: polymorphism C:G
364 <220> FEATURE:
365 <221> NAME/KEY: variation
366 <222> LOCATION: (1305)..(1305)
367 <223> OTHER INFORMATION: polymorphism C:T
370 <220> FEATURE:
371 <221> NAME/KEY: variation
372 <222> LOCATION: (1320)..(1320)
373 <223> OTHER INFORMATION: polymorphism C:T
376 <220> FEATURE:
377 <221> NAME/KEY: variation
378 <222> LOCATION: (1400)..(1400)
379 <223> OTHER INFORMATION: polymorphism C:T
382 <220> FEATURE:
383 <221> NAME/KEY: variation
384 <222> LOCATION: (1519)..(1519)
385 <223> OTHER INFORMATION: polymorphism G:A
388 <220> FEATURE:
389 <221> NAME/KEY: variation

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

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DATE: 01/14/2002

TIME: 12:20:26

Input Set : A:\Sequence Listing.ST25.txt

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L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:5006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120